

Welcome to STN International! Enter x:x

LOGINID: ssspta1600dxk

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on
STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 10:39:28 ON 14 NOV 2002

FILE 'CAPLUS' ENTERED AT 10:40:07 ON 14 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 14 Nov 2002 VOL 137 ISS 20
FILE LAST UPDATED: 13 Nov 2002 (20021113/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s jones, g?/au
L1 4738 JONES, G?/AU

=> s jones,s. g?/au
L2 14 JONES,S. G?/AU

=> d 12 1-14

L2 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 2000:726329 CAPLUS
DN 133:354217
TI The use of measurement programmes and models to assess concentrations
next to major roads in urban areas
AU Jones, S. G.; Fisher, B. E. A.; Gonzalez-Flesca, N.; Sokhi, R.
CS School of Earth and Environmental Sciences, University of Greenwich,

SO Chatham Kent, UK
Environmental Monitoring and Assessment (2000), 64 (2), 531-547
CODEN: EMASDH; ISSN: 0167-6369

PB Kluwer Academic Publishers
DT Journal
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1999:621014 CAPLUS

DN 131:355990

TI Interleukin-1.beta. (IL-1.beta.) inhibition: a possible mechanism for the anti-inflammatory potency of liposomally conjugated methotrexate formulations in arthritis

AU Williams, A. S.; Jones, S. G.; Goodfellow, R. M.; Amos, N.; Williams, B. D.

CS Rheumatology Research Laboratory, University of Wales College of Medicine,

Cardiff, CF4 4XN, UK

SO British Journal of Pharmacology (1999), 128 (1), 234-240
CODEN: BJPCBM; ISSN: 0007-1188

PB Stockton Press
DT Journal
LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1995:928989 CAPLUS

DN 123:349280

TI Deep water STD at the Misima Gold and Silver Mine, Papua, New Guinea

AU Jones, S. G.; Ellis, D. V.

CS NSR Environmental Consultants Pty, Ltd., Hawthorn, Australia

SO Marine Georesources & Geotechnology (1995), 13 (1-2), 183-200
CODEN: MGGEI; ISSN: 1064-119X

PB Taylor & Francis
DT Journal
LA English

L2 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1994:293043 CAPLUS

DN 120:293043

TI Singlet oxygen yields of furocoumarins and related molecules - the effect of excitation wavelength

AU Jones, S. G.; Young, A. R.; Truscott, T. G.

CS Chem. Dep., Keele Univ., Keele/Staffordshire, ST5 5BG, UK

SO Journal of Photochemistry and Photobiology, B: Biology (1993), 21 (2-3), 223-7
CODEN: JPPBEG; ISSN: 1011-1344

DT Journal
LA English

L2 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1988:59190 CAPLUS

DN 108:59190

TI Transport fuels from Roxburgh syncrude by continuous hydro-refining

AU Jones, S. G.; Dawson, S. G. B.; Ford, B. A.; Grey, J. B.; Stewart, H. J. H.

CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.

SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1987),

IPD/TSO/2026, 1-49
CODEN: RNZDD9; ISSN: 0110-9561

DT Report
LA English

L2 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1986:611470 CAPLUS
DN 105:211470
TI The upgrading of Roxburgh lignite pyrolysis tar by continuous hydrotreating
AU **Jones, S. G.**; Dawson, S. G. B.; Ford, B. A.; Grey, J. B.; Stewart, H.
CS N. Z.
SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1986), IPD/TSO/2022, 67 pp.
CODEN: RNZDD9; ISSN: 0110-9561

DT Report
LA English

L2 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1986:610838 CAPLUS
DN 105:210838
TI Design of IPD's continuous trickle-bed reactor system
AU **Jones, S. G.**; Babor, J.
CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.
SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1985), IPD/ISO/1017, 38 pp.
CODEN: RNZDD9; ISSN: 0110-9561

DT Report
LA English

L2 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1985:549810 CAPLUS
DN 103:149810
TI Simple technique for measuring attenuation of integrated optical waveguides
AU Nourshargh, N.; Starr, E. M.; Fox, N. I.; **Jones, S. G.**
CS GEC Hirst Res. Cent., GEC Res. Ltd., Wembley/Middx., HA9 7PP, UK
SO Electronics Letters (1985), 21(18), 818-20
CODEN: ELLEAK; ISSN: 0013-5194

DT Journal
LA English

L2 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1985:48514 CAPLUS
DN 102:48514
TI Hydro-refining coal-derived liquids to transport fuels
AU **Jones, S. G.**; Grey, J. B.; Ford, B. A.
CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.
SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1984), IPD/TSO/2020, 73 pp.
CODEN: RNZDD9

DT Report
LA English

L2 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1984:475599 CAPLUS
DN 101:75599
TI Hydrotreatment of Roxburgh lignite pyrolysis tar
AU **Jones, S. G.**; Grey, J. B.; Ford, B. A.
CS Ind. Process. Div., Dep. Sci. Ind. Res., Petone, N. Z.

SO Rep. - N. Z., Dep. Sci. Ind. Res., Ind. Process. Div. (1984),
IPD/TSO/2015, 102 pp.
CODEN: RNZDD9

DT Report
LA English

L2 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1979:605377 CAPLUS
DN 91:205377
TI The relative toxicity of four pesticides in tap water and water from flooded rice paddies
AU Brown, K. W.; Anderson, D. C.; **Jones, S. G.**; Deuel, L. E.; Price, J. D.
CS Dep. Soil Crop Sci., Texas A and M Univ., College Station, TX, USA
SO Int. J. Environ. Stud. (1979), 14(1), 49-53
CODEN: IJEVAW; ISSN: 0020-7233
DT Journal
LA English

L2 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1979:476632 CAPLUS
DN 91:76632
TI Kinetic studies on the hydrocracking of coal extract
AU Davies, Glyn Owen; Wyss, W. F.; **Jones, S. G.**
CS Natl. Coal Board, Cheltenham, Engl.
SO Comm. Eur. Communities, [Rep.] EUR (1978), Volume Date 1977, EUR 6075, Round Table Meet. Chem. Phys. Valorization Coal, 23-49
CODEN: CECED9
DT Report
LA English

L2 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1979:116092 CAPLUS
DN 90:116092
TI Influence of simulated rainfall on the retention of sludge heavy metals by the leaves of forage crops
AU **Jones, S. G.**; Brown, K. W.; Deuel, L. E.; Donnelly, K. C.
CS Texas Agric. Exp. Stn., College Station, Tex., USA
SO J. Environ. Qual. (1979), 8(1), 69-72
CODEN: JEVQAA; ISSN: 0047-2425
DT Journal
LA English

L2 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
AN 1950:18005 CAPLUS
DN 44:18005
OREF 44:3581e
TI Plant Pathology
AU Butler, Edwin J.; **Jones, S. G.**
SO (1950) Publisher: (The Macmillan Co., New York), 991 pp. \$10.
DT Book
LA Unavailable

=> s jackson, e?/au
L3 717 JACKSON, E?/AU

=> s jackson, e. k?/au
L4 18 JACKSON, E. K?/AU

=> d 14 1-18

L4 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 2001:549919 CAPLUS
DN 136:257102
TI Assessment of 2-chloroadenosine treatment after experimental traumatic brain injury in the rat [by] using arterial spin-labeled MRI: A preliminary report
AU Robertson, C. L.; Hendrich, K. S.; Kochanek, P. M.; **Jackson, E. K.**; Melick, J. A.; Graham, S. H.; Marion, D. W.; Williams, D. S.; Ho, C.
CS Department of Anesthesiology and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA, USA
SO Brain Edema XI, Proceedings of the International Symposium, 11th, Newcastle-upon-Tyne, United Kingdom, June 6-10, 1999 (2000), Meeting Date 1999, 187-189. Editor(s): Mendelow, A. David. Publisher: Springer-Verlag Wien, Wien, Austria.
CODEN: 69BOY6
DT Conference
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 2001:318010 CAPLUS
DN 135:578
TI P1 and P2 receptors in the renal system
AU **Jackson, E. K.**
CS Center for Clinical Pharmacology, University of Pittsburgh Medical Center, Pittsburgh, PA, 15213-2582, USA
SO Handbook of Experimental Pharmacology (2001), 151/II(Purinergic and Pyrimidinergic Signalling II), 33-71
CODEN: HEPHD2; ISSN: 0171-2004
PB Springer-Verlag
DT Journal; General Review
LA English
RE.CNT 299 THERE ARE 299 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 2000:809046 CAPLUS
DN 134:336121
TI Local and systemic effects of peritoneal lavage with high concentrations of adenosine in rats
AU **Jackson, E. K.**; Swamy, R. S.; Herzer, W. A.; Mi, Z.
CS Center for Clinical Pharmacology, Department of Pharmacology, University of Pittsburgh Medical Center, Pittsburgh, PA, 15213-2582, USA
SO Alimentary Pharmacology and Therapeutics (2000), 14(10), 1371-1380
CODEN: APTHEN; ISSN: 0269-2813
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 2000:142058 CAPLUS
DN 133:118289
TI Adenosine by aortic flush fails to augment the brain preservation effect of mild hypothermia during exsanguination cardiac arrest in dogs - an exploratory study

AU Woods, R. J.; Prueckner, S.; Safar, P.; Takasu, A.; Tisherman, S. A.; Jackson, E. K.; Radovsky, A.; Kochanek, P.; Behringer, W.; Stezoski, S. W.; Hans, R.
CS Safar Center for Resuscitation Research and the Department of Anesthesiology/Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA
SO Resuscitation (2000), 44(1), 47-59
CODEN: RSUSBS; ISSN: 0300-9572
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1998:532912 CAPLUS
DN 129:300911
TI The role of adenosine during the period of delayed cerebral swelling after severe traumatic brain injury in humans
AU Kochanek, P. M.; Clark, R. S. B.; Obrist, W. D.; Carcillo, J. A.; Jackson, E. K.; Mi, Z.; Wisniewski, S. R.; Bell, M. J.; Marion, D. W.
CS Safar Center for Resuscitation Research, Pittsburgh, PA, USA
SO Brain Edema X, Proceedings of the International Symposium, 10th, San Diego, Oct. 20-23, 1996 (1997), Meeting Date 1996, 109-111. Editor(s): James, Hector E. Publisher: Springer, Wien, Austria.
CODEN: 66OGA2
DT Conference
LA English

L4 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1990:152527 CAPLUS
DN 112:152527
TI Interaction between angiotensin II and adenosine in mediating the vasoconstrictor response to intrarenal hypertonic saline infusions in the dog
AU Deray, G.; Sabra, R.; Herzer, W. A.; Jackson, E. K.; Branch, R. A.
CS Div. Clin. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Journal of Pharmacology and Experimental Therapeutics (1990), 252(2), 631-5
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English

L4 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1990:111542 CAPLUS
DN 112:111542
TI The effect of halothane on morphine disposition: relative contributions of the liver and kidney to morphine glucuronidation in the dog
AU Merrell, W. J.; Gordon, L.; Wood, A. J. J.; Shay, S.; Jackson, E. K.; Wood, M.
CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Anesthesiology (1990), 72(2), 308-14
CODEN: ANESAV; ISSN: 0003-3022
DT Journal
LA English

L4 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1989:190114 CAPLUS

DN 110:190114
TI Inhibition of renal vasoconstriction induced by intrarenal hypertonic saline by the nonxanthine adenosine antagonist CGS 15943A
AU Callis, J. T.; Kuan, C. J.; Branch, K. R.; Abels, B. C.; Sabra, R.; Jackson, E. K.; Branch, R. A.
CS Dep. Surg., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Journal of Pharmacology and Experimental Therapeutics (1989), 248(3), 1123-9
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English

L4 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1988:467483 CAPLUS
DN 109:67483
TI Role of endogenous adenosine as a modulator of the renin response to salt restriction
AU Kuan, C. J.; Wells, J. N.; Jackson, E. K.
CS Sch. Med., Vanderbilt Univ., Nashville, TN, USA
SO Nephrologie (1987), 8(6), 283-6
CODEN: NEPHDY; ISSN: 0250-4960
DT Journal
LA English

L4 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1988:466348 CAPLUS
DN 109:66348
TI Brain uptake of benzodiazepines: effects of lipophilicity and plasma protein binding
AU Jones, D. R.; Hall, S. D.; Jackson, E. K.; Branch, R. A.; Wilkinson, G. R.
CS Dep. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Journal of Pharmacology and Experimental Therapeutics (1988), 245(3), 816-22
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English

L4 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1988:88496 CAPLUS
DN 108:88496
TI Effect of cyclooxygenase and thromboxane synthase inhibition on the response to angiotensin II in the hypoperfused canine kidney
AU Goto, F.; Jackson, E. K.; Ohnishi, A.; Herzer, W.; Branch, R. A.
CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Journal of Pharmacology and Experimental Therapeutics (1987), 243(3), 799-803
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English

L4 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1987:400019 CAPLUS
DN 107:19
TI Plasma binding and brain uptake of benzodiazepines
AU Jones, D. R.; Hall, S. D.; Branch, R. A.; Jackson, E. K.; Wilkinson, G. R.
CS Sch. Med., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Symposia Medica Hoechst (1986), Volume Date 1985, 20 (Protein Binding Drug Transp.), 311-24
CODEN: SMHODO; ISSN: 0341-6321

DT Journal; General Review
LA English

L4 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1985:418026 CAPLUS
DN 103:18026
TI Attenuation of cisplatin-induced nephrotoxicity in the rat by high salt diet, furosemide and acetazolamide
AU Heidemann, H. T.; Gerkens, J. F.; **Jackson, E. K.**; Branch, R. A.
CS Div. Clin. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Naunyn-Schmiedeberg's Archives of Pharmacology (1985), 329(2), 201-5
CODEN: NSAPCC; ISSN: 0028-1298
DT Journal
LA English

L4 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1983:401013 CAPLUS
DN 99:1013
TI Quantitative aspects of prostacyclin metabolism in humans
AU Brash, A. R.; **Jackson, E. K.**; Lawson, J. A.; Branch, R. A.; Oates, J. A.; FitzGerald, G. A.
CS Dep. Pharmacol., Vanderbilt Univ., Nashville, TN, 37232, USA
SO Adv. Prostaglandin, Thromboxane, Leukotriene Res. (1983), 11, 119-22
CODEN: ATLRD6; ISSN: 0732-8141
DT Journal
LA English

L4 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1981:11005 CAPLUS
DN 94:11005
TI Inhibition of hydralazine-induced renin release by indomethacin in the rat
AU Campbell, W. B.; Graham, R. M.; **Jackson, E. K.**
CS Dep. Pharmacol., Univ. Texas Health Sci. Cent., Dallas, TX, 75235, USA
SO Arch. Int. Pharmacodyn. Ther. (1980), 246(2), 315-23
CODEN: AIPTAK; ISSN: 0003-9780
DT Journal
LA English

L4 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1972:416622 CAPLUS
DN 77:16622
TI Biological nitrogen fixation. Key to world protein
AU Hardy, R. W. F.; Burns, R. C.; Hebert, R. R.; Holsten, R. D.; **Jackson, E. K.**
CS Cent. Res. Dep. Exp. Stn., E. I. du Pont de Nemours and Co., Wilmington, Del., USA
SO Plant Soil (1971), Spec. Vol., 561-90
CODEN: PLSOA2
DT Journal
LA English

L4 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1968:474432 CAPLUS
DN 69:74432
TI The acetylene-ethylene assay for nitrogen fixation: laboratory and field evaluation
AU Hardy, R. W. F.; Holsten, R. D.; **Jackson, E. K.**; Burns, R. C.
CS Cent. Res. Dep., E. I. du Pont de Nemours and Co., Wilmington, Del., USA
SO Plant Physiol. (1968), 43(8), 1185-1207
CODEN: PLPHAY

DT Journal
LA English

L4 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1968:474151 CAPLUS
DN 69:74151
TI Hydrogen reactions of nitrogenase. Formation of the molecule HD
[hydrogen
deuterium] by nitrogenase and by an inorganic model
AU Jackson, E. K.; Parshall, G. W.; Hardy, R. W. F.
CS Cent. Res. Dep., E. I. du Pont de Nemours and Co. Inc., Wilmington, DE,
USA
SO J. Biol. Chem. (1968), 243(19), 4952-8
CODEN: JBCHA3
DT Journal
LA English

=> s jones,g. s?/au
L5 25 JONES,G. S?/AU

=> d 15 1-25

L5 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 2001:82942 CAPLUS
DN 134:197280
TI Anthropogenic and natural causes of twentieth century temperature change
AU Stott, P. A.; Tett, S. F. B.; Jones, G. S.; Allen, M. R.;
Ingram, W. J.; Mitchell, J. F. B.
CS Hadley Centre for Climate Prediction and Research, Bracknell, RG12 2SY,
UK
SO Space Science Reviews (2000), 94(1-2), 337-344
CODEN: SPSRA4; ISSN: 0038-6308
PB Kluwer Academic Publishers
DT Journal
LA English
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 2000:908122 CAPLUS
TI External control of 20th century temperature by natural and anthropogenic
forcings
AU Stott, Peter A.; Tett, S. F. B.; Jones, G. S.; Allen, M. R.;
Mitchell, J. F. B.; Jenkins, G. J.
CS Met Office, Hadley Centre for Climate Prediction and Research, Bracknell,
Berkshire, RG12 2SY, UK
SO Science (Washington, D. C.) (2000), 290(5499), 2133-2137
CODEN: SCIEAS; ISSN: 0036-8075
PB American Association for the Advancement of Science
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 2000:685035 CAPLUS
TI Autistic spectrum disorder: diagnostic difficulties
AU Jones, G. S.
CS Woodlands Hospital, Aberdeen, AB15 9PR, UK
SO Prostaglandins, Leukotrienes Essent. Fatty Acids (2000), 63(1/2), 33-36

5

CODEN: PLEAEU; ISSN: 0952-3278

PB Churchill Livingstone

DT Journal

LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:617477 CAPLUS

TI Synthesis and evaluation of novel bifunctional probes for the nicotinic receptor (nNACHR).

AU Moaddel, R.; Hanson, R. N.; Loring, R. H.; Jones, G. S., Jr.

CS Department of Pharmaceutical Sciences, Northeastern University, Boston, MA, 02115, USA

SO Book of Abstracts, 218th ACS National Meeting, New Orleans, Aug. 22-26 (1999), MED1-105 Publisher: American Chemical Society, Washington, D. C. CODEN: 67ZJAS

DT Conference; Meeting Abstract

LA English

L5 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:334628 CAPLUS

DN 131:153814

TI Novel Biotinylated Phenylarsonous Acids as Bifunctional Reagents for Spatially Close Thiols: Studies on Reduced Antibodies and the Agonist Binding Site of Reduced Torpedo Nicotinic Receptors

AU Moaddel, R.; Sharma, A.; Huseni, T.; Jones, G. S., Jr.; Hanson, R. N.; Loring, R. H.

CS Department of Pharmaceutical Sciences, Northeastern University, Boston, MA, 02115, USA

SO Bioconjugate Chemistry (1999), 10(4), 629-637 CODEN: BCCHE; ISSN: 1043-1802

PB American Chemical Society

DT Journal

LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:78080 CAPLUS

DN 130:228305

TI The formation of diethyl ether via the reaction of iodoethane with atomic oxygen on the Ag(110) surface

AU Jones, G. Scott; Bartheau, Mark A.; Vohs, John M.

CS Department of Chemical Engineering, Center for Catalytic Science and Technology, University of Delaware, Newark, DE, 19716, USA

SO Surface Science (1999), 420(1), 65-80 CODEN: SUSCAS; ISSN: 0039-6028

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 25 CAPLUS COPYRIGHT 2002 ACS

AN 1999:59509 CAPLUS

DN 130:222922

TI Mechanism of Diethyl Ether Formation on Ag(110) and Its Dependence on Coadsorbed Oxygen Species

AU Jones, G. Scott; Bartheau, Mark A.; Vohs, John M.

CS Center for Catalytic Science and Technology Department of Chemical

Engineering, University of Delaware, Newark, DE, 19716, USA
SO Journal of Physical Chemistry B (1999), 103(7), 1144-1151
CODEN: JPCBFK; ISSN: 1089-5647
PB American Chemical Society
DT Journal
LA English
RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1998:178955 CAPLUS
DN 128:257149
TI First Synthesis, Experimental and Theoretical Vibrational Spectra of an Oxametallacycle on a Metal Surface
AU Jones, G. Scott; Mavrikakis, Manos; Barteau, Mark A.; Vohs, John M.
CS Center for Catalytic Science and Technology Department of Chemical Engineering, University of Delaware, Newark, DE, 19716, USA
SO Journal of the American Chemical Society (1998), 120(13), 3196-3204
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English

L5 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1997:412017 CAPLUS
DN 127:56389
TI Cyclization and related reactions of iodoethanol on Ag(110)
AU Jones, G. Scott; Barteau, Mark A.
CS Department Chemical Engineering, Center Catalytic Science Technology, University Delaware, Newark, DE, 19716, USA
SO Journal of Vacuum Science & Technology, A: Vacuum, Surfaces, and Films (1997), 15(3, Pt. 2), 1667-1673
CODEN: JVTAD6; ISSN: 0734-2101
PB American Institute of Physics
DT Journal
LA English

L5 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1996:673291 CAPLUS
DN 126:3882
TI 7,10-Bis(2-mercapto-2-methyl)propyl-7,10-diazapalmitic acid: a novel, N2S2 ligand for technetium-99m
AU Jones, G. S., Jr.; Elmaleh, D. R.; Strauss, H. W.; Fischman, A. J.
CS Dep. Radiology, Massachusetts General Hospital, Boston, MA, 02114, USA
SO Bioorganic & Medicinal Chemistry Letters (1996), 6(20), 2399-2404
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier
DT Journal
LA English

L5 ANSWER 11 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1996:463488 CAPLUS
TI Results of the first coincident observations by two laser-interferometric gravitational wave detectors
AU Nicholson, D.; Dickson, C. A.; Watkins, W. J.; Schutz, B. F.; Shuttleworth, J.; Jones, G. S.; Robertson, D. I.; Mackenzie, N. L.; Strain, K. A.; et al.
CS Department of Physics and Astronomy, University of Wales College of

SO Cardiff, Cardiff, UK
SO Phys. Lett. A (1996), 218(3-6), 175-180
CODEN: PYLAAG; ISSN: 0375-9601
DT Journal
LA English

L5 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1995:850791 CAPLUS
DN 123:247106
TI Activation of the hypothalamo-anterior pituitary corticotropin-releasing hormone, adrenocorticotropin hormone and .beta.-endorphin systems during the estradiol 17.beta.-induced plasma LH surge in the ovariectomized monkey
AU Kerdelhue, B.; **Jones, G. S.**; Gordon, K.; Seltman, H.; Lenoir, V.; Parsadaniantz, S. Melik; Williams, R. F.; Hodgen, G. D.
CS Lab. Neurobiol. Reproduction, CNRS, Jouy-en-Josas, Fr.
SO Journal of Neuroscience Research (1995), 42(2), 228-35
CODEN: JNREDK; ISSN: 0360-4012
PB Wiley-Liss
DT Journal
LA English

L5 ANSWER 13 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1995:291308 CAPLUS
DN 122:89313
TI Torsional properties of healed canine diaphyseal defects grafted with a fibrillar collagen and hydroxyapatite/tricalcium phosphate composite
AU Zardiackas, Lyle D.; Teasdall, Robert D.; Black, R. John; **Jones, G. S.**; John, Kenneth R.; Dillon, Lance D.; Hughes, James L.
CS Biomaterials and Orthopaedic Research, University Mississippi Medical Center, Jackson, MS, USA
SO Journal of Applied Biomaterials (1994), 5(4), 277-83
CODEN: JABIEW; ISSN: 1045-4861
PB Wiley
DT Journal
LA English

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1991:146890 CAPLUS
DN 114:146890
TI Statistical optimization of ternary mixed ether electrolytes for rechargeable lithium batteries
AU Makrides, A. C.; Nguyen, Trung H.; Hurd, R. J.; **Jones, G. S.**
CS EIC Lab., Inc., Norwood, MA, 02062, USA
SO Proceedings - Electrochemical Society (1991), 91-3(Proc. Symp. Primary Second. Lithium Batteries, 1990), 302-10
CODEN: PESODO; ISSN: 0161-6374
DT Journal
LA English

L5 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1991:146883 CAPLUS
DN 114:146883
TI Superhigh energy density lithium bromine trifluoride battery
AU Holleck, G. L.; **Jones, G. S.**
CS EIC Lab., Inc., Norwood, MA, 02062, USA
SO Proceedings - Electrochemical Society (1991), 91-3(Proc. Symp. Primary Second. Lithium Batteries, 1990), 51-61
CODEN: PESODO; ISSN: 0161-6374
DT Journal
LA English

L5 ANSWER 16 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1983:563428 CAPLUS
DN 99:163428
TI Tailings treatment, liquid and solids recovery
AU Jones, G. S.
CS Min. Res. Dev. Establ., Natl. Coal Board, Burton-on-Trent/Staffordshire,
DE15 0QD, UK
SO Mine Quarry (1983), 12(7-8), 35-8
CODEN: MQRYAT; ISSN: 0369-1632
DT Journal; General Review
LA English

L5 ANSWER 17 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1983:468137 CAPLUS
DN 99:68137
TI Transmembrane potential of isolated rat alveolar type II cells
AU Castranova, V.; Jones, G. S.; Miles, P. R.
CS Appalachian Lab. Occup. Saf. Health, Natl. Inst. Occup. Saf. Health,
Morgantown, WV, 26505, USA
SO J. Appl. Physiol.: Respir., Environ. Exercise Physiol. (1983), 54(6),
1511-17
CODEN: JARPDU; ISSN: 0161-7567
DT Journal
LA English

L5 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1982:470264 CAPLUS
DN 97:70264
TI Hypogonadotropism - an overview, 1980
AU Jones, G. S.
CS Dep. Obstet. Gynecol., East. Virginia Med. Sch., Norfolk, VA, USA
SO Proc. Serono Symp. (1982), 42(Gonadotropins: Basic Sci. Clin. Aspects
Females), 225-31
CODEN: PSSYDG; ISSN: 0308-5503
DT Journal; General Review
LA English

L5 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1982:453065 CAPLUS
DN 97:53065
TI Ionic content and regulation of cellular volume in rat alveolar type II
cells
AU Jones, G. S.; Miles, P. R.; Lantz, R. C.; Hinton, D. E.;
Castranova, V.
CS Appalachian Lab. Occup. Saf. Health, Morgantown, WV, 26504, USA
SO J. Appl. Physiol.: Respir., Environ. Exercise Physiol. (1982), 53(1),
258-66
CODEN: JARPDU; ISSN: 0161-7567
DT Journal
LA English

L5 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1982:418605 CAPLUS
DN 97:18605
TI Effects of metallic ions on oxygen consumption in isolated rabbit type II
pneumocytes
AU Jones, G. S.; Miles, P. R.; Lantz, R. C.; Hinton, D. E.; Shreve,
J. M.; Castranova, V.
CS Dep. Physiol., West Virginia Univ., Morgantown, WV, USA
SO DOE Symp. Ser. (1981), 54(Coal Convers. Environ.), 352-65

CODEN: DOESD6; ISSN: 0164-2022
DT Journal
LA English

L5 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1981:190125 CAPLUS
DN 94:190125
TI Transmembrane potential changes associated with superoxide release from human granulocytes
AU Jones, G. S.; VanDyke, K.; Castranova, V.
CS Appalachian Lab. Occup. Saf. Health, Natl. Inst. Occup. Saf. Health, Morgantown, WV, 26505, USA
SO J. Cell. Physiol. (1981), 106(1), 75-83
CODEN: JCLLAX; ISSN: 0021-9541
DT Journal
LA English

L5 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1981:12463 CAPLUS
DN 94:12463
TI Purification of human granulocytes by centrifugal elutriation and measurement of transmembrane potential
AU Jones, G. S.; Van Dyke, K.; Castranova, V.
CS Med. Cent., West Virginia Univ., Morgantown, WV, 26506, USA
SO J. Cell. Physiol. (1980), 104(3), 425-31
CODEN: JCLLAX; ISSN: 0021-9541
DT Journal
LA English

L5 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1978:573395 CAPLUS
DN 89:173395
TI Phosphorus-nitrogen compounds. 22. Synthesis and antitumor activity of arylsulfonylhydrazones
AU Cates, L. A.; Good, D. J.; Jones, G. S.; Lemke, T. L.
CS Coll. Pharm., Univ. Houston, Houston, Tex., USA
SO J. Med. Chem. (1978), 21(11), 1093-100
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English

L5 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1971:527629 CAPLUS
DN 75:127629
TI Patterns of insulin, growth hormone, and placental lactogen release after protein and glucose-protein ingestion in pregnancy
AU Tyson, J. E.; Jones, G. S.; Huth, J.; Thomas, P.
CS Sch. Med., Johns Hopkins Univ., Baltimore, MD, USA
SO Amer. J. Obstet. Gynecol. (1971), 110(7), 934-42
CODEN: AJOGAH
DT Journal
LA English

L5 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2002 ACS
AN 1971:49050 CAPLUS
DN 74:49050
TI Apparatus for electrolytically treating a metal workpiece
IN Barkman, Erik F.; Coates, Harold J.; Jones, G. Sanford
PA Reynolds Metals Co.
SO Brit., 9 pp.
CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 1212873		19701118		
PRAI US		19670314		

=> log y

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
67.75	67.96

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 10:47:42 ON 14 NOV 2002

Welcome to STN International! Enter x:x

LOGINID: ssspta1600dxk

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter (PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on
STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 12:00:32 ON 14 NOV 2002

=> fil caplus
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
SESSION
FULL ESTIMATED COST 1.47 1.47

FILE 'CAPLUS' ENTERED AT 12:04:28 ON 14 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 14 Nov 2002 VOL 137 ISS 20
FILE LAST UPDATED: 13 Nov 2002 (20021113/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s adenosine and cyclic or ketals?
76338 ADENOSINE
661 ADENOSINES
76488 ADENOSINE
(ADENOSINE OR ADENOSINES)
253165 CYCLIC
300 CYCLICS
253285 CYCLIC
(CYCLIC OR CYCLICS)
3592 KETALS?

```
=> s adenosine?  
L2          82933 ADENOSINE?  
  
=> s 12 and ribose(w)cyclic?
```

21337 RIBOSE
146 RIBOSES
21400 RIBOSE
(RIBOSE OR RIBOSES)
258825 CYCLIC?
66 RIBOSE(W) CYCLIC?
L3 6 L2 AND RIBOSE(W) CYCLIC?

=> d 13 abs ibib 1-6

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB The cell egg is in a state of quiescence and only after its fusion with the sperm, a series of pre-programmed metabolic processes will be activated, culminating with embryonic development. The egg/sperm fusion induces a transitory increase of Ca²⁺ in the cytoplasm, which is responsible for the activation of both precocious and late reactions.

The release of Ca²⁺ occurs by stimulation of the ionic specific channels. In addn. of IP₃, a new Ca-release inducer was recently evidenced, cyclic ADP ribose (cADPR), in some invertebrates and mammals. Here, the authors report the first evidence of the cADPR presence in fish. The authors' data also demonstrate that in the sea bream egg, cADPR is involved in the fertilization process; in fact, its level increases after the entrance of the sperm. By *in vitro* expts., it was shown that cADPR induces a release of Ca²⁺ in the egg homogenate, indicating that in sea bream, the increase of cADPR can induce an intracellular Ca²⁺ release. Since cADPR is a product of NAD⁺ metab., the activity of several enzymes involved in the NAD⁺ metab. was investigated. Sea bream eggs are pelagic and only floating eggs after insemination develop into viable embryos. In the present work, NAD⁺ metab. was studied in both types of egg. All the tested enzymes showed similar specific activity in both floating and sinking eggs. In the latter, cADPR was not detectable and the nucleotides content was significantly lower, evidencing a scarce energetic charge in sinking eggs.

ACCESSION NUMBER: 2002:52515 CAPLUS
DOCUMENT NUMBER: 136:213922
TITLE: Cyclic ADPR and calcium signaling in sea bream
(*Sparus*
aurata) egg fertilization
AUTHOR(S): Polzonetti, Valeria; Cardinali, Marco; Mosconi, Gilberto; Natalini, Paolo; Meiri, Iris; Carnevali, Oliana
CORPORATE SOURCE: Dipartimento di Scienze Morfologiche e Biochimiche Comparate, Universita di Camerino, Camerino, Italy
SOURCE: Molecular Reproduction and Development (2002), 61(2), 213-217
PUBLISHER: CODEN: MREDEE; ISSN: 1040-452X
Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR
THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB For the identification of yeast genes specifying biochem. activities, a genomic strategy that is rapid, sensitive, and widely applicable was developed with an array of 6144 individual yeast strains, each contg. a different yeast open reading frame (ORF) fused to glutathione

S-transferase (GST). For the identification of ORF-assocd. activities, strains were grown in defined pools, and GST-ORFs were purified. Then, pools were assayed for activities, and active pools were deconvoluted to identify the source strains. Three previously unknown ORF-assocd. activities were identified with this strategy: a cyclic phosphodiesterase that acts on ADP-ribose 1"-2" cyclic phosphate (Appr>p), an Appr-1"-p-processing activity, and a cytochrome c methyltransferase.

ACCESSION NUMBER: 1999:726801 CAPLUS
DOCUMENT NUMBER: 132:59744
TITLE: A biochemical genomics approach for identifying genes by the activity of their products
AUTHOR(S): Martzen, Mark R.; McCraith, Stephen M.; Spinelli, Sherry L.; Torres, Francy M.; Fields, Stanley; Grayhack, Elizabeth J.; Phizicky, Eric M.
CORPORATE SOURCE: Department of Biochemistry and Biophysics, University of Rochester School of Medicine, Rochester, NY, 14642,
USA
SOURCE: Science (Washington, D. C.) (1999), 286(5442), 1153-1155
CODEN: SCIEAS; ISSN: 0036-8075
PUBLISHER: American Association for the Advancement of Science
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title analogs (I; .gtoreq.1 of X3, X7 = CR, any remaining X3, X7 = N; Y = halo, C1-20 hydrocarbyl, NR2, OR, SR, NO2, carboxyl; R = H, C1-20 hydrocarbyl; R groups can be the same or different; Z = H; 1 Z can be a caging group), hydrolysis-resistant antagonists of cADPR-induced Ca²⁺ release, are claimed. Also claimed is compd. II and a method of screening for a compd. which binds to a cADPR receptor. Thus, bromination of tubercidin gave 57% 7-deaza-8-bromoadenosine which was phosphorylated (44%), coupled with NMN (27.7%) and cyclized with ADP-ribosyl cyclase to give II in 31% yield. II has been shown to be a stable, hydrolysis-resistant cADPR antagonist, useful as a tool for investigations of (cADPR)-mediated Ca²⁺ signalling in intact cells.
ACCESSION NUMBER: 1998:684854 CAPLUS
DOCUMENT NUMBER: 129:276237
TITLE: Preparation of cyclic adenosine diphosphate ribose (cADPR) analogs
INVENTOR(S): Galione, Antony; Potter, Barry
PATENT ASSIGNEE(S): ISIS Innovation Ltd., UK; University of Bath
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9843992	A1	19981008	WO 1998-GB921	19980326
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9868439	A1	19981022	AU 1998-68439	19980326
PRIORITY APPLN. INFO.:			GB 1997-6424	19970327
			WO 1998-GB921	19980326
OTHER SOURCE(S):		MARPAT 129:276237		
REFERENCE COUNT:		5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE		

FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB Intracellular Ca^{2+} -signals belong to the major events transducing extracellular signals into living cells. The discovery of (1) a caffeine-sensitive intracellular Ca^{2+} -pool in Jurkat T-lymphocytes and (2) cyclic adenosine diphosphoribose (cADPR) as an agent that mobilizes Ca^{2+} from a caffeine- and ryanodine sensitive Ca^{2+} -store in sea urchin egg homogenates prompted the authors to investigate the potential role of this compd. in T-lymphocyte Ca^{2+} -signaling. CADPR, as well as its 2'-phosphorylated deriv., 2'-phospho-cADPR (2'-P-cADPR), released Ca^{2+} in a dose-dependent, specific manner from intracellular, non-endoplasmic reticular stores of permeabilized Jurkat and HPB. ALL T cells. In addn., attempts were made to prove the presence of endogenous cADPR and 2'-P-cADPR by HPLC. Several HPLC protocols, including microbore-HPLC were tested resulting in the detection of endogenous cADPR by sequential sepn. on strong-anion exchange HPLC and reverse-phase ion-pair HPLC.

ACCESSION NUMBER: 1997:627786 CAPLUS

DOCUMENT NUMBER: 127:292040

TITLE: Ca^{2+} -signaling in human T-lymphocytes. Potential roles for cyclic ADP-ribose and 2'-phospho-cyclic

ADP-ribose

AUTHOR(S): Guse, Andreas H.; Da Silva, Cristina P.; Potter, Barry V. L.; Mayr, Georg W.

CORPORATE SOURCE: Institut fur Physiologische Chemie, Universitat Hamburg, Abt. fur Enzymchemie, Hamburg, D-20146, Germany

SOURCE: Advances in Experimental Medicine and Biology (1997), 419(ADP-Ribosylation in Animal Tissues), 431-436

PUBLISHER: Plenum

DOCUMENT TYPE: Journal

LANGUAGE: English

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB In eukaryotic cells, pre-tRNAs spliced by a pathway that produces a 3',5'-phosphodiester, 2'-phosphomonoester linkage contain a 2'-phosphate

group adjacent to the tRNA anticodon. This 2'-phosphate is transferred to NAD to give ADP (ADP)-ribose 1'',2''-cyclic phosphate (Appr>p), which is subsequently metabolized to ADP-ribose 1''-phosphate (Appr-1''p). The latter reaction is catalyzed by a cyclic phosphodiesterase (CPDase), previously identified in yeast and wheat. In the work presented here, we describe cloning of the *Arabidopsis* cDNA encoding the 20-kDa CPDase that hydrolyzes Appr>p to Appr-1''p. Properties of the bacterially overexpressed and purified *Arabidopsis* enzyme are similar to those of wheat CPDase. In addn. to their transformation of Appr>p, both enzymes hydrolyze nucleoside 2',3''-cyclic phosphates to nucleoside 2'-phosphates. For the *Arabidopsis* CPDase, the apparent Km values for Appr>p, A>p, C>p, G>p, and U>p are 1.35, 1.34, 2.38, 16.86, and 17.67 mM, resp. Southern anal. indicated that CPDase in *Arabidopsis* is encoded by a single copy gene that is expressed, at different levels, in all *Arabidopsis* organs that were analyzed. Indirect immunofluorescence, performed with transfected protoplasts, showed that CPDase is localized in the cytoplasm.

Based on substrate specificity and products generated, the plant enzyme differs from other known cyclic phosphodiesterases. The *Arabidopsis* CPDase does not have recognizable structural similarity or motifs in common with proteins deposited in public data bases.

ACCESSION NUMBER: 1997:332762 CAPLUS
DOCUMENT NUMBER: 127:46983
TITLE: Cloning and characterization of the *Arabidopsis* cyclic phosphodiesterase which hydrolyzes ADP-ribose 1'',2''-cyclic phosphate and nucleoside 2',3''-cyclic phosphates
AUTHOR(S): Genschik, Pascal; Hall, Jonathan; Filipowicz, Witold
CORPORATE SOURCE: Friedrich Miescher-Institut, Basel, 4002, Switz.
SOURCE: *Journal of Biological Chemistry* (1997), 272(20), 13211-13219
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB Ca²⁺ release from intracellular stores is one of the major events transducing extracellular signals into living cells. Recently, a metabolite of NAD⁺, termed cyclic ADP-ribose (cADPr), has been described to release Ca²⁺ from caffeine-sensitive internal stores of cells. Jurkat T cells possess intracellular Ca²⁺ stores sensitive to caffeine, so a potential involvement of cADPr in Ca²⁺ signaling was investigated. cADPr released Ca²⁺ in a dose-dependent manner from intracellular stores of permeabilized Jurkat T cells. Half maximal release was obtained at 2.25 μM cADPr. Prior addn. of D-myo-inositol 1,4,5-trisphosphate [Ins(1,4,5)P₃] or thapsigargin did not influence cADPr-induced Ca²⁺ release, indicating the presence of different Ca²⁺ pools sensitive to Ins(1,4,5)P₃ and cADPr. The specificity of the response was confirmed using the inhibitors ruthenium red, 8-NH₂-cADPr, and 8-Br-cADPr. All 3 compds. blocked cADPr-induced, but not Ins(1,4,5)P₃-induced, Ca²⁺ release in a dose-dependent manner. CGMP-induced Ca²⁺ release was also partly antagonized by ruthenium red, indicating involvement of a cGMP-dependent step in the formation of cADPr. The presence of endogenous cADPr was analyzed directly by HPLC. Sequential sepn. on strong anion exchange

HPLC and reverse-phase, ion-pair HPLC resulted in a single sym. peak co-eluting

with std. cADPr. The identity of this endogenous material was further confirmed by its ability to release Ca²⁺ in saponin-permeabilized Jurkat T cells.

ACCESSION NUMBER: 1995:825334 CAPLUS
DOCUMENT NUMBER: 123:254490
TITLE: Characterization of cyclic adenosine diphosphate-ribose-induced Ca²⁺ release in T lymphocyte cell lines
AUTHOR(S): Guse, Andreas H.; da Silva, Cristina P.; Emmrich, Frank; Ashamu, Gloria A.; Potter, Barry V. L.; Mayr, Georg W.
CORPORATE SOURCE: Inst. Physiol. Chem., Univ. Hamburg, Hamburg, Germany
SOURCE: Journal of Immunology (1995), 155(7), 3353-9
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English

=> s cyclic(w)ribose
253165 CYCLIC
300 CYCLICS
253285 CYCLIC
(CYCLIC OR CYCLICS)
21337 RIBOSE
146 RIBOSES
21400 RIBOSE
(RIBOSE OR RIBOSES)
L4 2 CYCLIC(W) RIBOSE

=> d 14 abs ibib 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
AB An efficient synthesis of cyclic IDP-carbocyclic-ribose and its 8-bromo deriv., as stable mimics of cyclic ADP-ribose, was achieved, and a condensation reaction with phenylthiophosphate-type substrate to form an intramol. pyrophosphate linkage was a key step. This result suggests that the construction of N-1-substituted hypoxanthine nucleoside structures from N-1-(2,4-dinitrophenyl)inosine derivs. and the intramol. condensation by activation of the phenylthiophosphate group with I₂ or AgNO₃/MS 3A combine to provide a very efficient route for the synthesis of analogs of cyclic ADP-ribose. Thus, this may be an entry to a general method for synthesizing biol. important cyclic nucleotides of this type.

ACCESSION NUMBER: 2000:514117 CAPLUS
DOCUMENT NUMBER: 133:252651
TITLE: An Efficient Synthesis of Cyclic IDP- and Cyclic 8-Bromo-IDP-Carbocyclic-Riboses Using a Modified Hata Condensation Method To Form an Intramolecular Pyrophosphate Linkage as a Key Step. An Entry to a General Method for the Chemical Synthesis of Cyclic ADP-Ribose Analogs
AUTHOR(S): Fukuoka, Masayoshi; Shuto, Satoshi; Minakawa, Noriaki;
CORPORATE SOURCE: Ueno, Yoshihito; Matsuda, Akira
SOURCE: Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo, 060-0812, Japan
5238-5248 Journal of Organic Chemistry (2000), 65(17),

CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:252651
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR
THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AB Angle strain and torsional strain energies were calcd. using the CNDO/2 LCAO-MO method for various geometrics of dimethyl phosphate monoanion and compared with energies for 2',3'-and 3',5'-cyclic ribose phosphate. While the calcns. fail to identify the source of the strain energy in the 3',5'-cyclic six-membered ring nucleotides, they do indicate

that a significant portion of the high heat of hydrolysis of the five-membered ring is assocd. with relief of torsional strain and that preferred torsional conformations of acyclic esters are strongly coupled to the RO-P-OR bond angles. This coupling of ester, bond angles, and torsional angles is also demonstrated by CNDO calcns. on various geometries of trimethyl phosphate. Eclipsing of one of the phosphate ester bonds reduces the bond angle between the esterified oxygen atoms by ca.5.degree. and eclipsing of both ester bonds further reduces the bond angle by another 5.degree.. These predictions of the CNDO calcns. are supported by x-ray crystallog. structures of cyclic and acyclic, monoanionic, and neutral phosphate esters.

ACCESSION NUMBER: 1976:150888 CAPLUS

DOCUMENT NUMBER: 84:150888

TITLE: Conformational study of cyclic and acyclic phosphate esters. CNDO/2 calculations of angle strain and torsional strain

AUTHOR(S): Gorenstein, David G.; Kar, Debojyoti; Luxon, Bruce

A.; Momii, Robert K.

CORPORATE SOURCE: Dep. Chem., Univ. Illinois, Chicago, Ill., USA

SOURCE: J. Am. Chem. Soc. (1976), 98(7), 1668-73

CODEN: JACSAT

DOCUMENT TYPE: Journal

LANGUAGE: English

=> s ribose and methyl(w)alcohol?

21337 RIBOSE

146 RIBOSES

21400 RIBOSE

(RIBOSE OR RIBOSES)

757953 METHYL

593 METHYLS

758316 METHYL

(METHYL OR METHYLS)

812224 ME

9165 MES

817718 ME

(ME OR MES)

1316607 METHYL

(METHYL OR ME)

302072 ALCOHOL?

505854 ALC

163845 ALCS

590808 ALC
 (ALC OR ALCS)
 701209 ALCOHOL?
 (ALCOHOL? OR ALC)
 3793 METHYL(W)ALCOHOL?
 L5 5 RIBOSE AND METHYL(W)ALCOHOL?

=> d 15 abs ibib 1-5

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
 AB A stable emulsion compn. is disclosed which comprises: (A) a metal overbased gelled compn., prep'd. by forming a mixt. of (i) a carbonated overbased material in an oleophilic medium, which material contains a metal salt of at least one org. acid material contg. at least 8 carbon atoms, and (ii) an alc. or an alc.-water mixt.; (B) a surfactant; and (C) an aq. liq. The stable emulsion compn. may further comprise at least one of a solute, a suspended solid or an oxidn. inhibitor.
 ACCESSION NUMBER: 2000:420762 CAPLUS
 DOCUMENT NUMBER: 133:57984
 TITLE: Stable emulsions from gelled overbased substrates with surfactants and aqueous liquids
 INVENTOR(S): Lawate, Saurabh S.; Sweet, William R.
 PATENT ASSIGNEE(S): The Lubrizol Corporation, USA
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1010460	A2	20000621	EP 1999-310113	19991215
EP 1010460	A3	20010117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6172122	B1	20010109	US 1998-213855	19981217
AU 9964476	A1	20000622	AU 1999-64476	19991213
BR 9906200	A	20010206	BR 1999-6200	19991215
PRIORITY APPLN. INFO.: US 1998-213855 A 19981217				
OTHER SOURCE(S): MARPAT 133:57984				

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
 AB Indexes such as BOD or COD is currently used to est. water pollution by org. substances in leachate from landfill, and any component has not been characterized in it. In order to study org. substances from mixed refuse and in leachate from landfill for mixed refuse without incineration procedure, org. compds. were examd. Animal- and plant-assocd. amino acids

and fatty acids were detected in refuse pit spill, but not in leachate from landfill for mixed refuse. It is suggested that these are derived from the decomprn. of org. components of waste inside landfill. When org. substances in leachate were analyzed by GC/MS, phthalic acid esters, DEHP and DBP (dibutylphthalate), were identified on the basis of their mass spectra.

ACCESSION NUMBER: 1995:138335 CAPLUS
 DOCUMENT NUMBER: 122:38090
 TITLE: Organic substances in leachate from landfill for mixed refuse

AUTHOR(S) : Fukui, Hiroshi; Awaji, Nobuo; Ito, Tomiharu
CORPORATE SOURCE: Kanagawa Environmental Research Center, Hiratsuka,
254, Japan
SOURCE: Haikibutsu Gakkai Ronbunshi (1994), 5(3), 118-25
CODEN: HGROEE
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB This study was aimed at finding out how bacterial bioluminescence, a trait

very sensitive to toxicants, is affected in coastal environs receiving various types of pollutants. Observations on occurrence and distribution of visibly luminous bacteria from polluted and nonpolluted environments were documented during a 7-yr period. While luminous colonies were abundant, often contributing >10% of the total colony-forming units in the

pollution-free areas, none of >200 water, sediment, fish, shellfish, and plankton samples from the polluted localities yielded any visibly luminous

colony. On analyzing several bacterial strains from the latter environment, it was evident that there were many dark (nonvisibly luminous) strains of the usually luminescent *Photobacterium leiognathii*. Lab. studies on the effect of various chems. on light emission by different luminous species suggested a strong depression (and/or irreversible loss) of luminescence in them. The results suggest that

they are useful as biomarkers in the assessment of environmental health.

ACCESSION NUMBER: 1993:633463 CAPLUS
DOCUMENT NUMBER: 119:233463
TITLE: Ecological and laboratory studies on the role of luminous bacteria and their luminescence in coastal pollution surveillance
AUTHOR(S) : Ramaiah, N.; Chandramohan, D.
CORPORATE SOURCE: Natl. Inst. Oceanogr., Goa, 403 004, India
SOURCE: Marine Pollution Bulletin (1993), 26(4), 190-201
CODEN: MPNBAZ; ISSN: 0025-326X
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB Alkyl glycoside fatty acid polyesters having .gtoreq.4 fatty acid ester groups being both satd. and unsatd. and having 4-24 C atoms wherein the alkyl glycoside moiety comprises a saccharide and an alkyl portion are suitable for use as a low-cal fat substitute food compn. Low-cal. potato chip produced by frying thin potato slices in Et glycoside frying oil comprising Et glucoside tetraoleate and Et glucoside tetrapalmitate had satisfactory texture.

ACCESSION NUMBER: 1990:54089 CAPLUS
DOCUMENT NUMBER: 112:54089
TITLE: Low caloric alkyl glycoside fatty acid polyester fat substitutes
INVENTOR(S) : Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael
L.; Winter, Daryl B.
PATENT ASSIGNEE(S) : Curtice-Burns, Inc., USA
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 49,625, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4840815	A	19890620	US 1987-122188	19871118
US 4840815	B1	19970930		
US 4942054	A	19900717	US 1989-347264	19890503
WO 9203060	A1	19920305	WO 1990-US4769	19900822
		W: AU, BG, BR, FI, HU, JP, NO, RO, SU RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE		
AU 9065476	A1	19920317	AU 1990-65476	19900822
US 5550220	A	19960827	US 1994-359942	19941220
PRIORITY APPLN. INFO.:			US 1987-49625	19870513
			US 1987-122188	19871118
			US 1989-347264	19890503
			US 1989-368675	19890619
			WO 1990-US4769	19900822
			US 1991-770771	19911004
			US 1992-869288	19920415

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB In cell-free exts. of MeOH-grown *C. boidinii*, hexose phosphate synthetase activity was found. Incubation of this crude ext. with formaldehyde-14C and **ribose** 5-phosphate led to incorporation of radioactivity into fructose and glucose phosphates. Cells grown on glucose lack hexose phosphate synthetase activity. No hydroxypyruvate reductase activity was found. During growth of *C. boidinii* on MeOH, a sugar phosphate pathway similar or identical to the **ribose** phosphate cycle in C1-metabolizing bacteria operates.

ACCESSION NUMBER: 1974:487767 CAPLUS

DOCUMENT NUMBER: 81:87767

TITLE: Microbial assimilation of **methyl alcohol**. Incorporation of formaldehyde into fructose- and glucose phosphates by a cell-free extract of *Candida boidinii*

AUTHOR(S): Sahm, Hermann; Wagner, Fritz

CORPORATE SOURCE: Tech. Univ., Brunswick, Ger.

SOURCE: Arch. Microbiol. (1974), 97(2), 163-8

CODEN: AMICCW

DOCUMENT TYPE: Journal

LANGUAGE: German

=> s isopropylidene and adenosine?

11922 ISOPROPYLIDENE
16 ISOPROPYLIDENES
11925 ISOPROPYLIDENE
(ISOPROPYLIDENE OR ISOPROPYLIDENES)

82933 ADENOSINE?

L6 415 ISOPROPYLIDENE AND ADENOSINE?

=> s isopropylidene(w)ribose and adenosine?

11922 ISOPROPYLIDENE
16 ISOPROPYLIDENES
11925 ISOPROPYLIDENE
(ISOPROPYLIDENE OR ISOPROPYLIDENES)

21337 RIBOSE

146 RIBOSES

21400 RIBOSE

(RIBOSE OR RIBOSES)

7 ISOPROPYLIDENE (W) RIBOSE
82933 ADENOSINE?
L7 0 ISOPROPYLIDENE (W) RIBOSE AND ADENOSINE?

=> s cyclic(w)ribose and adenosine?
253165 CYCLIC
300 CYCLICS
253285 CYCLIC
(CYCLIC OR CYCLICS)
21337 RIBOSE
146 RIBOSES
21400 RIBOSE
(RIBOSE OR RIBOSES)
2 CYCLIC(W)RIBOSE
82933 ADENOSINE?
L8 0 CYCLIC(W)RIBOSE AND ADENOSINE?

=>
Connection closed by remote host